Count how many times a word appears in an array of words.

```
'
' 2. Altered source versions must be plainly marked as such,
and must not be
' misrepresented as being the original software.
'
' 3. This notice may not be removed or altered from any source
distribution.
'
'**********************************************************
******************/
#endregion

using System;
using System.Collections;
using System.Text.RegularExpressions;

namespace NClassifier
{
public class Utilities
{

///

/// Count how many times a word appears in an array of words.
///
/// The word to count. /// A non-null array of words. public
static int CountWords(string word, string[] words)
{
// find the index of one of the items in the array
int itemIndex = Array.BinarySearch(words, word);

// iterate backwards until we find the first match
if (itemIndex > 0)
while (itemIndex > 0 && words[itemIndex] == word)
itemIndex–;

// now itemIndex is one item before the start of the words
int count = 0;
while (itemIndex < words.Length && itemIndex >= 0)
{
if (words[itemIndex] == word)
count++;

itemIndex++;

if (itemIndex < words.Length) if (words[itemIndex] != word)
break; } return count; } } } [/csharp]
```